ELOP MUSIC™ / C-MUSIC™

DIRCM solutions for aircraft protection

Elop's Multi Spectral Infrared Countermeasure (MUSIC) systems are high-performance, fiber-laser based DIRCM solutions for protecting aircraft against heat seeking ground to air missiles (MANPADS). These systems integrate advanced fiber laser technology together with a high rate thermal camera and a small, highly dynamic mirror turret to provide effective, reliable and affordable protection to all types of aircraft and under all operational conditions.

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ELOP MUSIC / C-MUSIC

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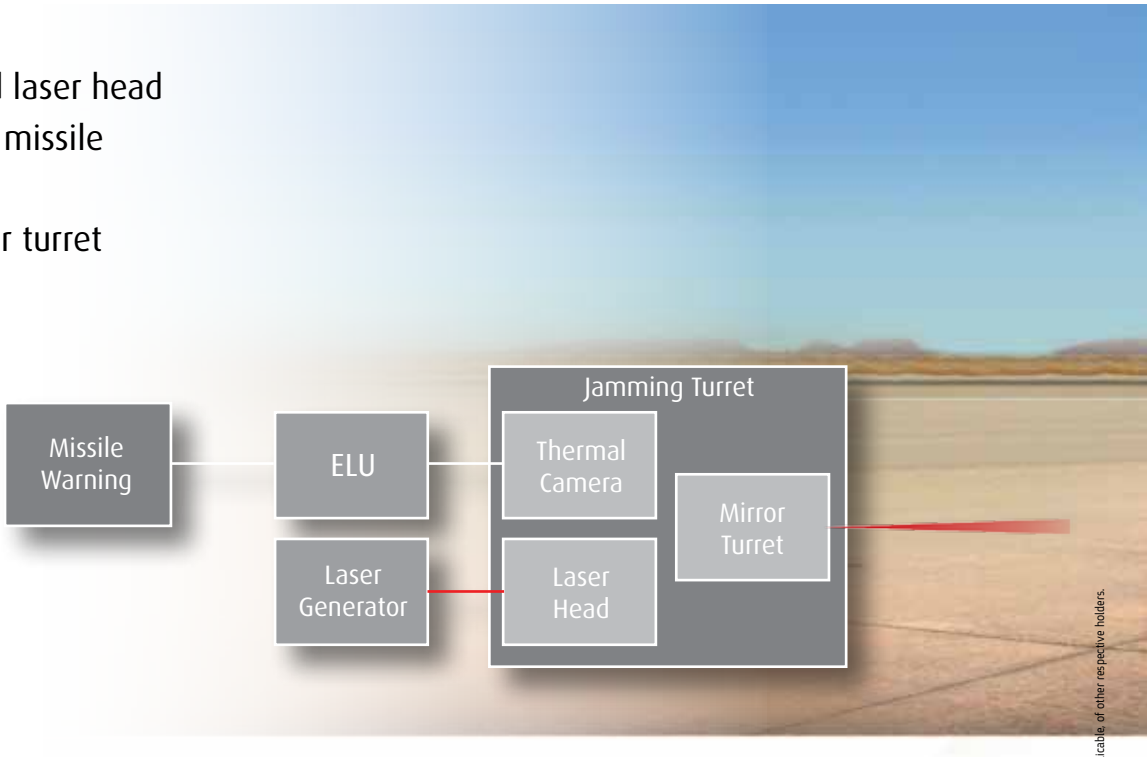
Main components

- Missile warning system
- Laser generator unit and laser head
- FLIR thermal camera for missile acquisition and tracking
- High speed sealed mirror turret
- System processor (ELU)



	MUSIC	C-MUSIC
Overall weight	45 Kg	160 Kg (Including pod and MWS elements)
Dimensions	Jamming turret: Diameter: 27 cm External height: 18 cm Internal height: 15 cm	Complete pod: Length: 270 cm Width: 60 cm Height: 50 cm
Power consumption	1200W	3000W
MWS	External MWS (UV or IR)	Integrated IR MWS (processor and sensors)
Installation options	Single, dual or multi-turret configuration	Pod or distributed configuration

Additional features

- High reliability (MTBF > 1000)
- Low maintenance requirement
- Low Life Cycle Costs (LLC)

Elbit Systems Ltd.
Advanced Technology Center, P.O.B 539, Haifa 31053, Israel
E-mail: istar@elbitsystems.com www.elbitsystems.com

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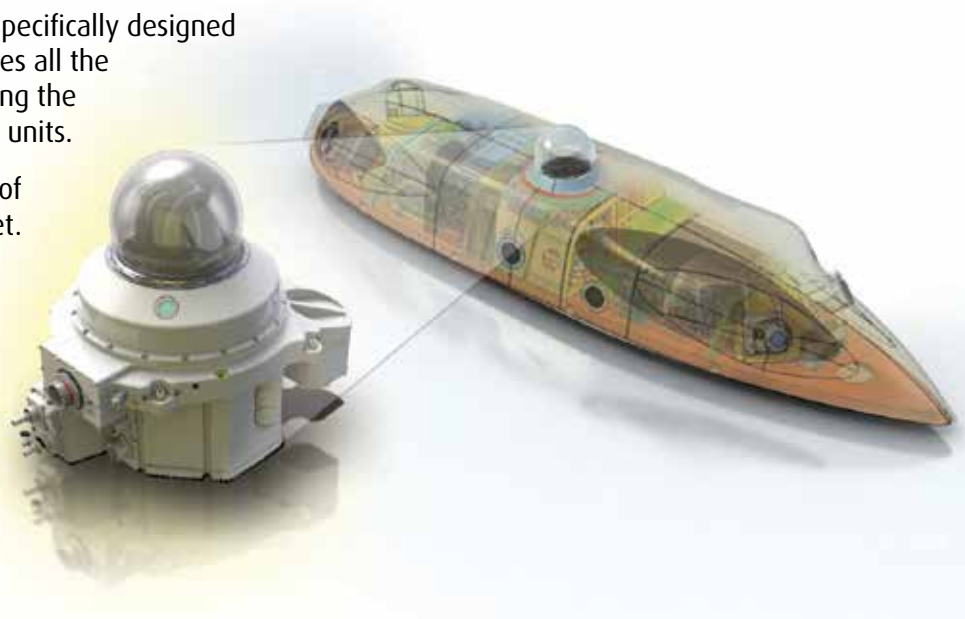
ELOP C-MUSIC

for large jet aircraft

- C-MUSIC is a pod mounted DIRCM system specifically designed to defend large jet aircraft. The pod integrates all the elements of the protection system, including the MWS (Missile Warning System) and DIRCM units.
- C-MUSIC was selected by the Government of Israel to protect the Israeli commercial fleet. The system has been designed to meet the highest demands required by civil aviation including high reliability, simple installation, low drag and no effect on crew workload.



ELOP MUSIC

for helicopters and fixed wing aircraft

- The system was designed for protecting helicopters and fixed wing aircraft. It was designed to enable flexible and modular installation and easy integration with existing protection suites.
- The system's outstanding performance enables dealing with multiple threat scenarios, countering current threats and easy adaptation to threat evolution.
- MUSIC is in full scale production for customers for numerous types of platforms.